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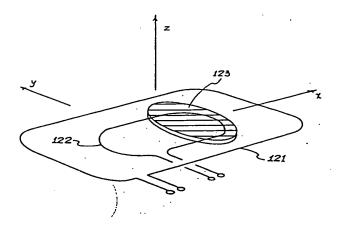
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Salar Position and speed sensors.

fin a sensor having a drive winding (121) for establishing a forward field, an electrically conductive screen (123) is displaceable relative to a sense winding (122). In the presence of the drive field, eddy currents are generated in the screen to establish a counter-field opposing the forward field, so that the sense winding is shaded by the screen to a varying extent during relative displacement of screen and sense winding and the voltage induced in the sense winding is accordingly correspondingly varied. Application of a high frequency input to the drive winding (121) results in a modulated output from the sense winding (122) which may be demodulated to provide a signal indicative of screen position relative to sense winding. The position signal may be further processed to provide a speed signal. The sensor may assume a multiplicity of linear or planar, rotational and axial or solenoidal configurations.







EUROPEAN SEARCH REPORT

EP 85 11 2999

Х	US-A-4 401 986 (G. TI		to claim	APPLICATION (Int. Cl.4)
A	* Column 2, lines 62-6 39 - column 6, line 8 * Figures 1,4; column	54; column 3, ĺine *	6,8,10	G 01 D 5/243 G 01 D 5/22 G 01 D 5/20
X	GB-A-2 012 431 (J.E. * Page 1, line 52 - pa		1,4	,
Α	* Page 1, lines 65-71		6,10	
X	US-A-4 170 754 (J.J. * column 3, lines 30-4		1	
Α	* Figures 8,11 *		5,7	
Х	GB-A-2 054 160 (R. B0 * Figure 1 *	DSCH GmbH)	1	
Α	* Figure 4 *		9	
				TECHNICAL FIELDS SEARCHED (Int. Cl.4)
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	Place of search	Date of completion of the search	L	Examiner
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